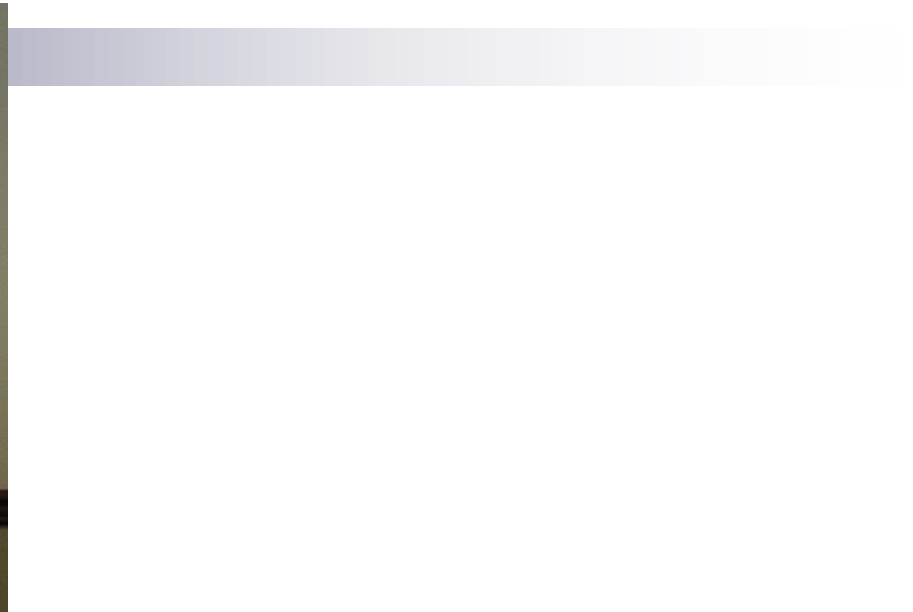
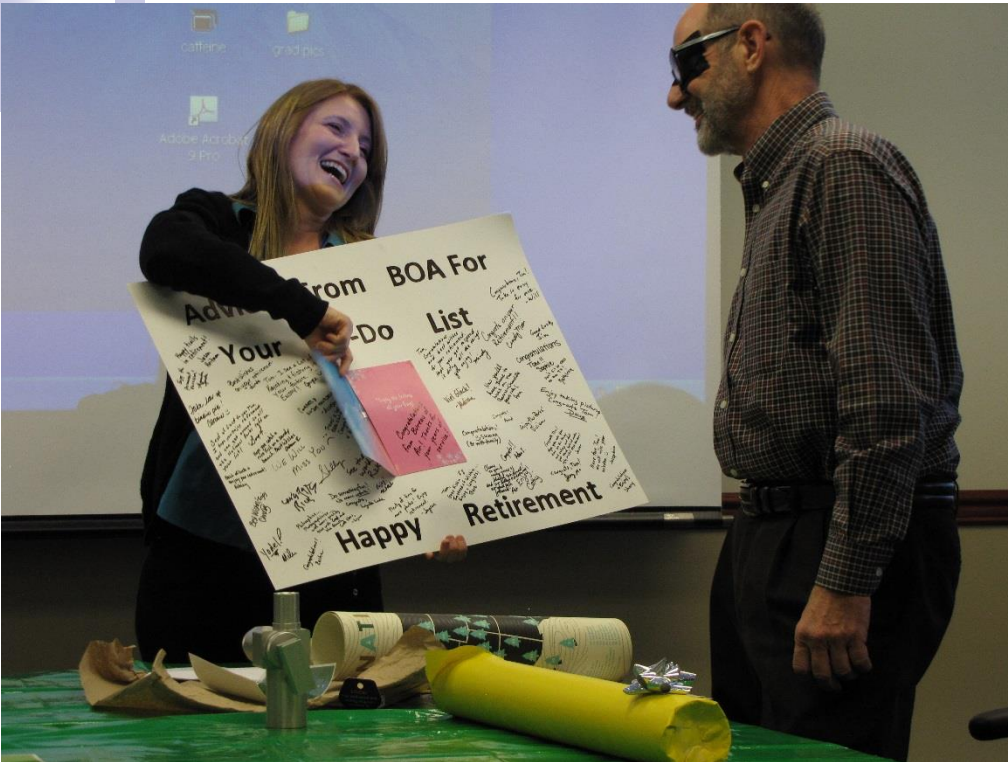




2016 Monitoring and Planning Section Update

Clean Air Act Advisory Group Meeting
Hutchinson, KS
August 9, 2016

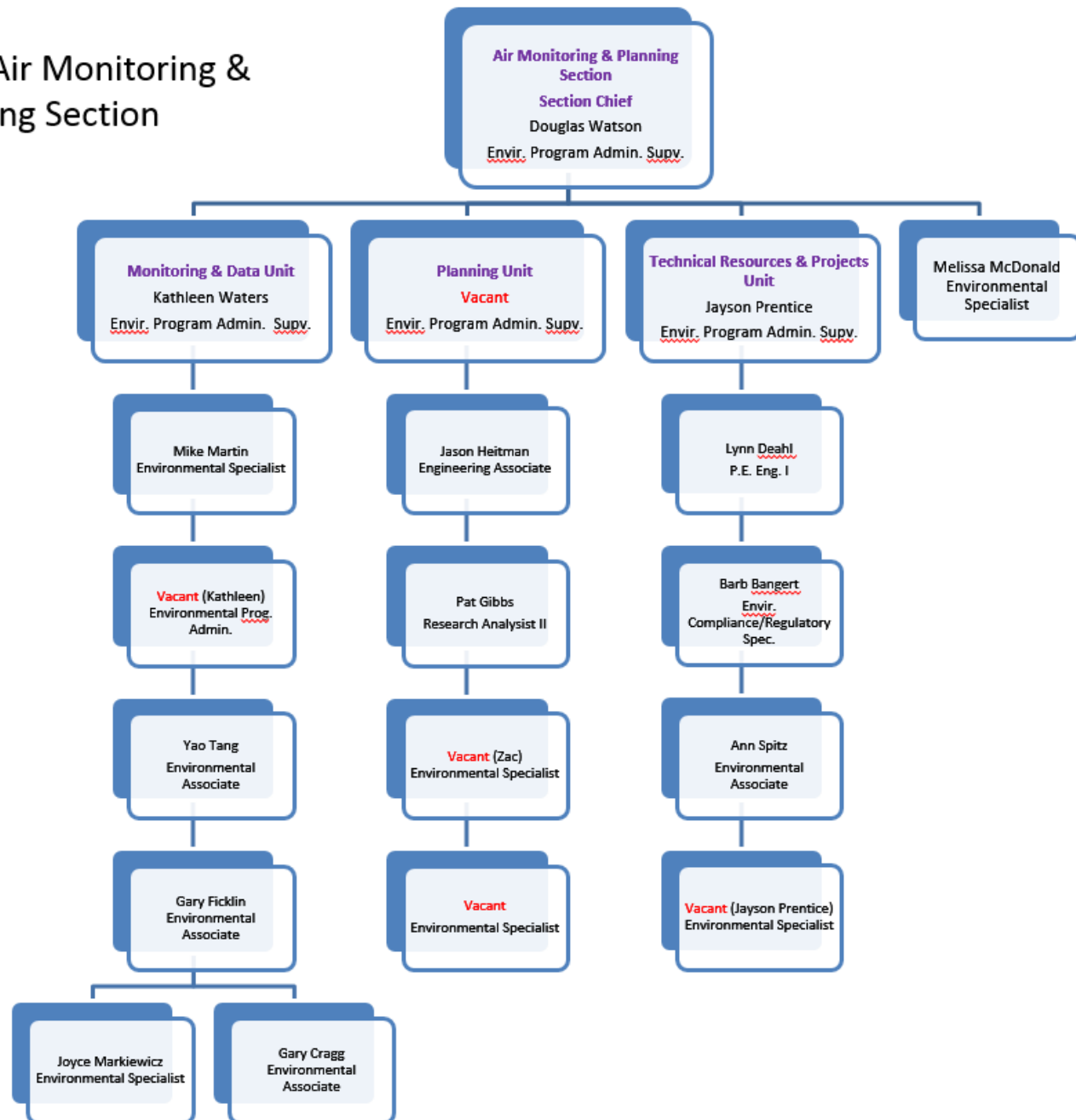
Douglas Watson, Meteorologist
Chief, Monitoring and Planning Section
Bureau of Air
Kansas Department of Health and Environment



- State & Local Emissions
- NEI Cycle
- Village Green – Kansas
- SIP Activities

Our vision is 'healthy Kansans living in safe communities'
The state belongs to all of us -

2016 Air Monitoring & Planning Section



1-Hour SO₂ - Consent Decree

- Consent decree finalized March of 2015
- Affected Sources in KS
 - Westar Tecumseh – Shawnee County
 - KCP&L La Cygne – Linn County
 - BPU Nearman – Wyandotte County
- KDHE recommended designations – September 9, 2016
 - Shawnee County – Unclassifiable
 - Linn County – Attainment
 - Wyandotte County – Unclassifiable/Attainment
- EPA Final Designations – July 2, 2016
 - Shawnee County – Unclassifiable
 - Linn County – Unclassifiable/Attainment
 - Wyandotte County – Unclassifiable

1-Hr. SO₂ Data Requirements Rule

- EPA finalized rule in August of 2015
- KDHE had to characterize air quality around sources that emitted 2,000 tpy or more of SO₂
- Modeling, monitoring or emissions limit acceptable for assessing SO₂
- Key dates:
 - January 2016 - KDHE submitted list of sources emitting above 2,000 tpy to EPA
 - BPU Nearman
 - KCP&L La Cygne
 - Westar Energy Tecumseh
 - July 1, 2016 - KDHE submitted letter to EPA identifying how affected sources would characterize air (modeling, monitoring or limit)
 - January 2017
 - KDHE (sources) complete modeling analysis – January 13, 2017
 - States have monitoring network operational – January 1, 2017
 - Deadline for states that adopt SO₂ limits in lieu of characterization – January 13, 2017

2016 Flint Hills Fire Season Update

- Good growing season in 2015 = High fuel load in 2016 (Lots of grass to burn)
- Very windy conditions in March and early April limit burning
- Extensive outreach/education pre-burn season
- 3 air quality exceedance days (Kansas-1; Nebraska-2)
- Acres burned: 2,736,791
 - March - 578,409 acres
 - April - 2,158,382 acres

State & Local Emission Inventory System (SLEIS)

- ❑ Developed by Windsor Solutions
- ❑ SLEIS benefits
 - ❑ Facility reporting, internal administration, EPA reporting
 - ❑ No Plug-ins!
 - ❑ Previous years data is in the system
 - ❑ CROMERR compliant potential
 - ❑ Cloud hosting
 - ❑ Compatible with most browsers
 - ❑ 12 Other states using SLEIS
 - ❑ Paper savings
 - ❑ Ability to handle confidential business information
- ❑ Approximately 73% of our sources are now utilizing SLEIS

This is a subliminal advertisement for the BOA SLEIS system

Emission Inventory 3-year Cycle

■ Onroad Mobile Sources

- KDHE currently accepts EPA default emissions using its MOVES model
- For 2014 NEI V2, EPA will acquired vehicle registration data from every state to “harmonize” vehicle age classes

■ Nonroad Mobile Sources

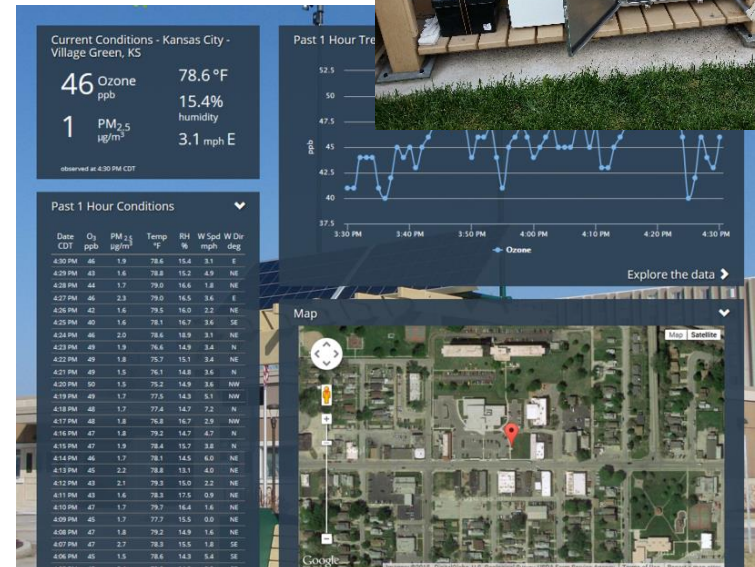
- KDHE currently accepts EPA default emissions using its NONROAD model
- NONROAD model is old—only minor changes made since 2002—but no replacement in sight

■ Nonpoint Emissions

- Very large source category, many areas being explored for improvement
- KDHE generally uses Kansas input population and production data where possible but increasingly using EPA tools (e.g., for oil & gas, solvents, residential wood combustion) as these tools are developed.

Village Green Project - Kansas City, KS Research Project, Community Monitoring

- Extended project for another year!
- Partnership between EPA/KDHE/local agencies/USD 500 to test lower cost monitoring equipment
- One of only 7 VG monitor locations in the country that provides one minute measurements for ozone, $PM_{2.5}$, and met data
- Station connects public to air quality, each minute data streams to a public website (English and Spanish languages)
- The stations are lower in cost to install and operate than more complex national monitoring stations
- Station in KS is solar and wind powered



Planning/Regulations Activities

- 2015 Ozone Standard Designation Letter Due October 1, 2015 (2013-2015 data)
- Regional Haze Rule Revisions and Guidance Document being analyzed
- Startup, Shutdown, Malfunction (SSM) Regulation Update
- Fee Structure Regulations being Updated
- Most Clean Power Plan/111d Activities On Hold During Court Ordered Stay

Questions



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The state belongs to all of us - "Kansas Don't Spoil It"



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